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UNITED STATES PATENT AND TRADEMARK OFFICE

ser. no. 09/905,693

Examiner: Lee, P.

filed: November 14, 2000

Art Unit : 2878

for: "Sequential Diversity Imaging"

This is in response to the Office Action dated June 2, 2003

In the Specification

Substitute the enclosed Specification for the original Specification, as filed.

In the Claims

Amend the Claims as follows:

1. (amended) Sequential diversity imaging apparatus comprising:
means for receiving a sequence of images of an object, said object being continuously distorted by a changing optical medium;
an adaptive optic device in optical proximity with said receiving means for canceling aberrations introduced by said medium to thereby provide solely adapted in-focus images of said object;
a detector array arranged for receiving said solely adapted in-focus images and producing digital image representations thereof; and
a sequential diversity processor connecting with said detector array and said adaptive optic device, said sequential diversity processor receiving said digital image representations from said detector array and providing sequential control signals to said adaptive optic device to enable said adaptive optic device to cancel said aberrations.